

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1.-11. (Canceled)

12. (Currently Amended) A method for making measurements of a rotating object and for producing an output, using an optical measuring apparatus which includes a light source which generates a beam of light and a detector for receiving the beam of light, comprising:

rotating the object;

causing a beam of light to be emitted from the light source;

~~moving-displacing~~ the object transversely relative to the beam;

detecting an extent of the beam of light at the detector while the object is being displaced transversely relative to the beam;

generating a signal from the detector when a predetermined extent of light is present at the detector;

delaying the output for at least one revolution of the object following the generation of the signal, and;

causing an output to issue from the apparatus only if the predetermined extent of light is present at the detector at the end of the delay.

13. (Canceled)

14. (Currently Amended) A method for making measurements of a rotating object and for producing an output, using an optical measuring apparatus which includes a light source which generates a beam of light and a detector for receiving the beam of light, comprising:

rotating the object;

causing a beam of light to be emitted from the light source;

~~moving-displacing~~ the object transversely relative to the beam;

detecting an extent of the beam of light at the detector while the object is being displaced transversely relative to the beam;

generating a signal from the detector when a predetermined extent of light is present at the detector;

delaying the output for at least one revolution of the object following the generation of the signal, and;

causing an output to issue from the apparatus only if the signal is present at the detector at the end of the delay.

15-16. (Canceled)

17. (Currently Amended) A method for making measurements of a rotating object and for producing an output, using an optical measuring apparatus which includes a light source which generates a beam of light and a detector for receiving the beam of light, comprising:

rotating the object;

causing a beam of light to be emitted from the light source;

~~moving-displacing~~ the object transversely relative to the beam;

detecting an extent of the beam of light at the detector while the object is being displaced transversely relative to the beam;

generating a signal from the detector when a predetermined extent of light is present at the detector;

causing a clock pulse to start, having a duration substantially equal to at least one revolution of the object, each time a signal from the detector is generated; and delaying the output until the end of the clock pulse.

18-23. (Canceled)